

2.3 Supplementary Table 3: stratification analysis on performance of the mitochondria -related indicators at predicting BI and ACLF within 90 days according to ages.

A		
Mitochondria-related indicators	AUROC (95% CI)	P value
MM of CD3+ cells	0.64 (0.55, 0.73)	0.003
MM of CD3+CD4+ cells	0.61 (0.52, 0.70)	0.02
MM of CD3+CD8+ cells	0.72 (0.64,0.80)	<0.001
MM of CD3+CD4+CD8+ cells	0.60 (0.50, 0.69)	0.04
MM of CD3+CD4-CD8- cells	0.67 (0.59, 0.76)	<0.001
MMP of CD3+ cells	0.63 (0.54, 0.72)	0.005
MMP of CD3+CD4+ cells	0.59 (0.50, 0.68)	0.05
MMP of CD3+CD8+ cells	0.77 (0.70, 0.84)	<0.001
MMP of CD3+CD4+CD8+ cells	0.60 (0.51, 0.70)	0.03
MMP of CD3+CD4-CD8- cells	0.70 (0.61, 0.78)	<0.001
B		
Mitochondria-related indicators	AUROC (95% CI)	P value
MM of CD3+ cells	0.64 (0.52, 0.77)	0.04
MM of CD3+CD4+ cells	0.70 (0.58, 0.82)	0.004
MM of CD3+CD8+ cells	0.68 (0.55,0.80)	0.01
MM of CD3+CD4+CD8+ cells	0.60 (0.46, 0.73)	0.17
MM of CD3+CD4-CD8- cells	0.61 (0.48, 0.74)	0.12
MMP of CD3+ cells	0.63 (0.49, 0.77)	0.06
MMP of CD3+CD4+ cells	0.64 (0.51, 0.77)	0.045
MMP of CD3+CD8+ cells	0.82 (0.72, 0.92)	<0.001
MMP of CD3+CD4+CD8+ cells	0.50(0.36, 0.64)	0.99
MMP of CD3+CD4-CD8- cells	0.51(0.38, 0.65)	0.86
C		
Mitochondria-related indicators	AUROC (95% CI)	P value
MM of CD3+ cells	0.75 (0.65, 0.85)	<0.001
MM of CD3+CD4+ cells	0.75 (0.64, 0.86)	<0.001
MM of CD3+CD8+ cells	0.75 (0.65,0.85)	<0.001
MM of CD3+CD4+CD8+ cells	0.62 (0.49, 0.76)	0.09
MM of CD3+CD4-CD8- cells	0.79 (0.69, 0.89)	<0.001
MMP of CD3+ cells	0.73 (0.62, 0.83)	0.002
MMP of CD3+CD4+ cells	0.68 (0.56, 0.79)	0.01
MMP of CD3+CD8+ cells	0.77 (0.67, 0.88)	<0.001
MMP of CD3+CD4+CD8+ cells	0.55 (0.42, 0.68)	0.50
MMP of CD3+CD4-CD8- cells	0.75 (0.63, 0.86)	<0.001
D		

Mitochondria-related indicators	AUROC (95% CI)	P value
MM of CD3+ cells	0.61 (0.43, 0.79)	0.24
MM of CD3+CD4+ cells	0.63 (0.44, 0.81)	0.005
MM of CD3+CD8+ cells	0.58 (0.41,0.75)	0.42
MM of CD3+CD4+CD8+ cells	0.63 (0.43, 0.83)	0.17
MM of CD3+CD4-CD8- cells	0.66 (0.48, 0.84)	0.09
MMP of CD3+ cells	0.51 (0.33, 0.69)	0.90
MMP of CD3+CD4+ cells	0.54 (0.32, 0.76)	0.70
MMP of CD3+CD8+ cells	0.67 (0.50, 0.84)	0.07
MMP of CD3+CD4+CD8+ cells	0.63 (0.43, 0.84)	0.17
MMP of CD3+CD4-CD8- cells	0.68 (0.52, 0.84)	0.06

A: Performance of the mitochondria-related indicators at predicting BI within 90 days for patients with less than or equal to 60 years of age; **B:** Performance of the mitochondria-related indicators at predicting BI within 90 days for patients with greater than 60 years of age; **C:** Performance of the mitochondria-related indicators at predicting ACLF within 90 days for patients with less than or equal to 60 years of age; **D:** Performance of the mitochondria-related indicators at predicting ACLF within 90 days for patients with greater than 60 years of age.

MM: mitochondrial mass; MMP: mitochondrial membrane potential.